

**Flood Control Project Maintenance
Levee Inspections**

Fall 2014 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including USACE Erosion Survey

Sacramento River Basin

RD2068	Overall LMA Rating	Total LMA Miles						
Reclamation District No. 2068 Yolano	A	8.71						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Supplemental</i>								
DWR UCIP Field Study					0.08			
<i>LMA Totals:</i>	0.00	0.00	0.00	0.00%	0.08	0.00	0.00	0.00
Unit No. 01 Yolo Bypass RB	Overall Unit Rating	Total Unit Miles						
RD2068	A	5.48						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
No Items								
<i>Unit Totals:</i>	0.00	0.00	0.00	0.00%				
Unit No. 02 Back Levee LB	Overall Unit Rating	Total Unit Miles						
RD2068	A	3.22						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Supplemental</i>								
DWR UCIP Field Study					0.08			
<i>Unit Totals:</i>	0.00	0.00	0.00	0.00%	0.08	0.00	0.00	0.00

**Flood Control Project Maintenance
Levee Inspections**
LMA District Cover Sheet
Fall 2014 Levee Inspection Results

Reclamation District No. 2068 Yolano

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
* Overall LMA Rating (Fall Only)			A	

** Non-receipt of Summer or Winter Inspection Reports may effect overall annual rating.

*

SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an indication of risk.

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2014 Levee Inspection Results

Reclamation District No. 2068 Yolo

Waterway			Bank	Unit Miles
Unit No. 01 Yolo Bypass			Right	5.48
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	04/11/2014 - 04/11/2014		10/13/2014 - 10/13/2014	
DWR Inspector	Herman Phillips		Herman Phillips	
Accompanied By			Mike Hardesty RD 2068	

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 2068 Yolano

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Right	5.48	10/13/2014 10/13/2014	Herman Phillips

LM Start		Rating **	A	Issue No.	3		
LM End		Issue Type +	Ma	Location *	LS		
Category	Earthen Levee			GPS Latitude/Longitude			
				Start		End	
Item	Operations & Maintenance Manuals				°		°
					°		°
DWR ID	DWR_RD2068_01_f_2014_3						
Action/Comments							
Inspector Comments: RD 2068 has the O&M Manual on hand.							

No Photos

LM Start		Rating **	A	Issue No.	4		
LM End		Issue Type +	Ma	Location *	LS		
Category	Earthen Levee			GPS Latitude/Longitude			
				Start		End	
Item	Flood Preparedness & Training				°		°
					°		°
DWR ID	DWR_RD2068_01_f_2014_4						
Action/Comments							
Inspector Comments: RD 2068 crew members are trained yearly.							

No Photos

LM Start		Rating **	A	Issue No.	5		
LM End		Issue Type +	Ma	Location *	LS		
Category	Earthen Levee			GPS Latitude/Longitude			
				Start		End	
Item	Emergency Supplies & Equipment				°		°
					°		°
DWR ID	DWR_RD2068_01_f_2014_5						
Action/Comments							
Inspector Comments: RD 2068 has emergency supplies stored.							

No Photos

*** Location**
 LS : Land Side N/A : Not Applicable
 WS : Water Side
 CR : Crown

**** Rating**
 A : Acceptable
 M : Minimally Acceptable
 U : Unacceptable
 N : Not Inspected/Rated
 C : Corrected
 A/W : Acceptable but Monitor & Maintain

+ Issue Type
 Ma : Maintenance Deficiency
 Ob : Design & System Obsolescence
 En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 2068 Yolano

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Yolo Bypass	Right	5.48	10/13/2014 10/13/2014	Herman Phillips

LM Start	0.51	Rating **	A	Issue No.	1
LM End	5.50	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.401158 °	38.329087 °
				-121.693845 °	-121.694105 °
DWR ID	DWR_RD2068_01_f_2014_1				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements. Inspector Comments: Slopes has been burned and dragged.					

Photo 1 of 1 : FA_2014_RD2068_193_1_20141126_00001.jpg



Looking downstream from waterside slope RD 2068 Levee mile 0.51.

LM Start	2.91	Rating **	A	Issue No.	2
LM End	5.50	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.366488 °	38.329087 °
				-121.693953 °	-121.694105 °
DWR ID	DWR_RD2068_01_f_2014_2				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements. Inspector Comments: Landside slope looking downstream from levee mile 2.91 to 5.50. Slopes burned and dragged.					

No Photos

*** Location**
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2014 Levee Inspection Results

Reclamation District No. 2068 Yolano

Waterway			Bank	Unit Miles
Unit No. 02 Back Levee			Left	3.22
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	04/11/2014 - 04/11/2014		10/13/2014 - 10/13/2014	
DWR Inspector	Herman Phillips		Herman Phillips	
Accompanied By	Mike Hardesty RD 2068		Mike Hardesty RD 2068	

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- completion of the inspection
- any changes other than the results of normal maintenance
- corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 2068 Yolano

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Back Levee	Left	3.22	10/13/2014 10/13/2014	Herman Phillips

LM Start	0.00	Rating **	A	Issue No.	9
LM End	0.00	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.358608 °	38.358608 °
				-121.740390 °	-121.740390 °
DWR ID	DWR_RD2068_02_f_2014_9				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements. Inspector Comments: Looking downstream from landward levee slope slope was mowed.					

Photo 1 of 1 : FA_2014_RD2068_194_9_20141126_00004.jpg



Looking downstream from levee mile 0.00 along unit 2, 2068 at the landward levee slope.

LM Start	0.00	Rating **	M	Issue No.	1
LM End	0.00	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.358250 °	38.358250 °
				-121.740377 °	-121.740377 °
DWR ID	DWR_RD2068_02_f_2014_1				
Action/Comments					
Inspector Comments: FS_ID:17505					
EP_NO: 13490					
Repair Type: Non-Urgent					
Crossing Status: Not Found					
UCIP Comments: Appears abandoned. Need to verify pipe status with PG&E.					
FIELD_STRUCT_DESC: 4-inch steel gas pipeline through the levee 3.5 feet below the crown (Permit No. 13490, 1982).					
FS Date: 8/8/2013					

No Photos

LM Start	0.03	Rating **	C	Issue No.	67
LM End	0.80	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.358608 °	38.369834 °
				-121.740387 °	-121.740199 °
DWR ID	DWR_RD2068_02_s_2014_67				
Action/Comments					
Keep the crown roadway free of vegetation.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 2068 Yolano

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Back Levee	Left	3.22	10/13/2014 10/13/2014	Herman Phillips

LM Start	0.85	Rating **	M	Issue No.	2
LM End	0.85	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.370422 °	38.370422 °
				-121.740163 °	-121.740163 °
DWR ID	DWR_RD2068_02_f_2014_2				
Action/Comments					
Inspector Comments: FS_ID:17507					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Not Found					
UCIP Comments: Verify abandonment with RD 2068.					
FIELD_STRUCT_DESC: *Abandoned* 18-inch steel irrigation pipe through the levee 7.5 feet below the crown. Slidegate in concrete distribution box on both ends (O&M, 1962).					
FS Date: 8/8/2013					

No Photos

LM Start	0.85	Rating **	M	Issue No.	3
LM End	0.85	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.370556 °	38.370556 °
				-121.740159 °	-121.740159 °
DWR ID	DWR_RD2068_02_f_2014_3				
Action/Comments					
Inspector Comments: FS_ID:21052					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Not Found					
UCIP Comments: Verify abandonment of pipe with RD 2068.					
FIELD_STRUCT_DESC: *REMOVED* Unknown size irrigation pipe					
through the levee at an unknown depth below the crown.					
FS Date: 8/8/2013					

No Photos

LM Start	0.87	Rating **	M	Issue No.	4
LM End	0.87	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.370783 °	38.370783 °
				-121.740152 °	-121.740152 °
DWR ID	DWR_RD2068_02_f_2014_4				
Action/Comments					
Inspector Comments: FS_ID:21053					
EP_NO: 10164					
Repair Type: Non-Urgent					
Crossing Status: Not Found					
UCIP Comments: Verify abandonment with RD 2068.					
FIELD_STRUCT_DESC: 1 of 6: 30-inch corrugated metal pipe through the levee 10.2 feet below the crown (ABO No. 10164, 1974). Originally included in the O&M manual, 1962.					
FS Date: 8/8/2013					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 2068 Yolano

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Back Levee	Left	3.22	10/13/2014 10/13/2014	Herman Phillips

LM Start	0.90	Rating **	M	Issue No.	5
LM End	0.90	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.371273 °	38.371273 °
				-121.740138 °	-121.740138 °
DWR ID	DWR_RD2068_02_f _ 2014_5				
Action/Comments					
Inspector Comments: FS_ID:17531 EP_NO: 8151 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Appears abandoned. Need to verify with pipeline owner. FIELD_STRUCT_DESC: 8-inch steel gas pipe through the levee 3 feet below the crown (Permit No. 8151, 1972). Gasline markers visible on east toe of levee at intersection of levee and Delhi road. FS Date: 8/8/2013					

No Photos

LM Start	1.07	Rating **	M	Issue No.	6
LM End	1.07	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.373330 °	38.373330 °
				-121.738530 °	-121.738530 °
DWR ID	DWR_RD2068_02_f _ 2014_6				
Action/Comments					
Inspector Comments: FS_ID:17532					
EP_NO: 13028					
Repair Type: Non-Urgent					
Crossing Status: Indicator Found					
UCIP Comments: Need improved signage on LS and WS shoulders.					
FIELD_STRUCT_DESC: 10-inch steel pipe through the levee 2 feet below the crown. A 4-inch gas line is sleeved through the 10-inch pipe.					
Sign missing from marker post on east slope. 2-inch vent pipe with identification sign located off west bank of levee and off toe of east side of levee at fence (Permit No. 13028, 1981).					
FS Date: 8/13/2013					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2014

Reclamation District No. 2068 Yolano

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Back Levee	Left	3.22	10/13/2014 10/13/2014	Herman Phillips

LM Start	2.24	Rating **	C	Issue No.	70
LM End	3.23	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.387182 °	38.398783 °
				-121.726075 °	-121.715642 °
DWR ID	DWR_RD2068_02_s_2014_70				
Action/Comments					
Fence					
Inspector Comments: There is a electric wire fence across levee crown roadway and this section of levee is used to corral cattle.					

No Photos

LM Start	2.82	Rating **	M	Issue No.	7
LM End	2.82	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.393943 °	38.393943 °
				-121.719991 °	-121.719991 °
DWR ID	DWR_RD2068_02_f_2014_7				
Action/Comments					
Inspector Comments: FS_ID:17538					
EP_NO: 1195					
Repair Type: Non-Urgent					
Crossing Status: Not Found					
UCIP Comments: Need to determine disposition of gas line.					
FIELD_STRUCT_DESC: 10.75-inch steel gas pipe through the levee 2 feet below the crown (Permit No. 1195, 1947).					
FS Date: 8/13/2013					

No Photos

LM Start	3.16	Rating **	M	Issue No.	8
LM End	3.16	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.397933 °	38.397933 °
				-121.716406 °	-121.716406 °
DWR ID	DWR_RD2068_02_f _ 2014_8				
Action/Comments					
Inspector Comments: FS_ID:17544 EP_NO: 10164 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Appears abandoned and if so should be done properly. Pipe burried except for small opening. FIELD_STRUCT_DESC: 6 of 6: 48-inch corrugated metal pipe through the levee 4.0 feet below the crown (ABO No. 10164, 1974). Originally included in the O&M manual, 1962. FS Date: 8/13/2013					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	---